

SUBJECT: SOIL EROSION

CATEGORY: USLE IN RELATION TO "T" VALUE\*

QUALIFIERS: 1997 PASTURELAND

REPORTING UNIT: AREA (ACRES IN THOUSANDS)

GEOGRAPHIC AREA: MISSOURI MAJOR LAND RESOURCE AREA 116A

TABLE: SUMMARY OF SHEET AND RILL EROSION IN RELATION TO "T" VALUES ON PASTURELAND BY "T" CATEGORIES FOR MLRA 116A

	> T <= 2T	> 2T <= 3T	> 3T <= 4T	> 4T <= 5T	> 5T
acres eroding above "t"	246	60	35	22	20
% of total mlra pastureland	8%	2%	1%	1%	1%
% of total mlra pastureland eroding above "t"	64%	16%	9%	6%	5%
% of total state pastureland	2%	1%	<1%	<1%	<1%
% of total state pastureland eroding above "t"	24%	6%	3%	2%	2%
% of total state pastureland in "t" category	37%	34%	44%	42%	51%

MLRA 116A TOTAL SURFACE AREA = 12258

TOTAL ACRES OF PASTURELAND = 3084

TOTAL ACRES OF PASTURELAND ERODING ABOVE "T" = 383

MISSOURI: TOTAL ACRES OF PASTURELAND = 10849

TOTAL ACRES OF PASTURELAND ERODING ABOVE "T" = 1007

\* USLE - Universal Soil Loss Equation. This equation estimates average annual soil loss from sheet and rill erosion. Location specific data for the field in which the NRI sample point falls or that portion of the field surrounding the point that would be considered in conservation planning are used in the NRI calculation. "T" Factor - The maximum rate of annual soil erosion that will permit crop productivity to be sustained economically and indefinitely.

DATA SOURCE: 1997 NATIONAL RESOURCES INVENTORY (REVISED DECEMBER 2000)

